Implementation Status & Results
Rwanda
Rw: Sustainable Energy Development Project (GEF) (P097818)

Operation Name: Rw: Sustainable Energy Development Project (GEF) (P097818)
Project Stage: Implementation
Seq.No: 6
Status: ARCHIVED
Archive Date: 28-Dec-2012

Country: Rwanda
Approval FY: 2010

Product Line: Global Environment Project
Region: AFRICA
Lending Instrument: Specific Investment Loan

Implementing Agency(ies):

Key Dates
Board Approval Date: 15-Oct-2009
Original Closing Date: 31-Jan-2014
Planned Mid Term Review Date: 09-Jul-2012
Last Archived ISR Date: 13-Jun-2012

Effectiveness Date: 09-Jun-2010
Revised Closing Date: 31-Jan-2014
Actual Mid Term Review Date: 16-Jul-2012

Global Environmental Objectives
Global Environmental Objective (from Project Appraisal Document)
The overall goal of the project is to strengthen and consolidate the Rwandan Renewable Energy market. The PDO for SEDP is: 1. Improve policy and institutional framework of the Renewable Energy and Energy efficiency sub-sectors 2. Increase Private sector Participation in the Renewable Energy Sector

Has the Project Development Objective been changed since Board Approval of the Project?
☐ Yes ☐ No

Component(s)

Component Name
Policy, Strategy and Management
Biomass
Micro-Hydro
Solar Energy
Energy Efficiency

Component Cost
3.50
1.40
1.20
1.55
0.65

Overall Ratings
Progress towards achievement of GEO
Satisfactory
Satisfactory
Overall Implementation Progress (IP)
Satisfactory
Satisfactory
Overall Risk Rating
Moderate

Implementation Status Overview
1. The project implementation has substantially progressed in the last one year. All the project main activities are now ongoing with some studies related to the Renewable Energy.
Strategy and Feed-in Tariff already completed and the associated policy adopted. Other ongoing assessments and studies include (i) EWSA efficient energy study (technical loss audit); (ii) set-up of micro hydropower regulations and help desk, (iii) guidelines for Institutional Solar PV systems and (vii) efficient use of biomass.

2. The projects’ disbursements as of November 2012 are US$2.39 (AFREA) and US$1.41 million (GEF) equivalent to about 63% and 23% respectively of the grant amounts. The low disbursement related to the GEF Trust is as result of the longer than anticipated procurement process. The disbursements are expected to improve in the next quarter as most of the contracts financed by the trust fund have now been signed. The associated AFREA TF (TF954444) closing date has been extended to December 31, 2013. The extension will help align the TF activities to the main project closing date. Most of the project activities are expected to be completed by end-September 2013.

Locations

<table>
<thead>
<tr>
<th>Country</th>
<th>First Administrative Division</th>
<th>Location</th>
<th>Planned</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rwanda</td>
<td>Southern Province</td>
<td>Kivu</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Results

Global Environmental Objective Indicators

<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable Energy and Energy Efficiency strategy study adopted by MinInfra</td>
<td>Yes/No</td>
<td>Yes/No</td>
<td>Value</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Date</td>
<td>02-Dec-2009</td>
<td>06-Dec-2012</td>
<td>31-Jan-2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro-Hydro Feed-in and Bulk-purchase tariffs agreed with RECO and approved by RURA</td>
<td>Yes/No</td>
<td>Yes/No</td>
<td>Value</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Date</td>
<td>02-Dec-2009</td>
<td>18-May-2012</td>
<td>31-Jan-2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>Adopted February 2012</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solar PV Dealers with field presence in at least one province outside Kigali offering sales and maintenance services</td>
<td>Number</td>
<td>Number</td>
<td>Value</td>
<td>0.00</td>
<td>4.00</td>
</tr>
<tr>
<td>Date</td>
<td>09-Dec-2009</td>
<td>06-Dec-2012</td>
<td>31-Jan-2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>Business development support services commenced July 2012.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase in number of staff employed in RE firms</td>
<td>Number</td>
<td>Number</td>
<td>Value</td>
<td>0.00</td>
<td>30.00</td>
</tr>
<tr>
<td>Date</td>
<td>01-Dec-2009</td>
<td>06-Dec-2012</td>
<td>31-Jan-2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>Increase based on the firms participating in the Solar water heater program.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Intermediate Results Indicators
<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
<th>Date</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>M&amp;E framework for all RE activities in place</td>
<td>Yes/No</td>
<td>Yes/No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>02-Dec-2009</td>
<td>M&amp;E staff recruited and have embarked on the data collection to update both the baseline values and current progress.</td>
</tr>
<tr>
<td>% of households using improved stoves in the Kigali area</td>
<td>Percentage</td>
<td>Percentage</td>
<td>40.00</td>
<td>47.00</td>
<td>70.00</td>
<td>02-Dec-2009</td>
<td>Based on the April 2012 survey results. Follow up survey to be conducted at end of December 2012 following the promotion campaigns.</td>
</tr>
<tr>
<td>Business Plans for public micro-hydro under implementation.</td>
<td>Number</td>
<td>Number</td>
<td>0.00</td>
<td>0.00</td>
<td>16.00</td>
<td>02-Dec-2009</td>
<td>Implementation of the incubator model for RE entrepreneurs ongoing.</td>
</tr>
<tr>
<td>Installation and user guidelines for Solar PVs in public institutions approved.</td>
<td>Yes/No</td>
<td>Yes/No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>02-Dec-2009</td>
<td>Preparation of guidelines ongoing. Draft final report expected end December 2012.</td>
</tr>
<tr>
<td>Approved investment plan based on the national grid energy audit</td>
<td>Yes/No</td>
<td>Yes/No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>02-Dec-2009</td>
<td>Grid audit ongoing and expected to be completed by end December 2012. Preliminary report submitted September 2012.</td>
</tr>
</tbody>
</table>

### Data on Financial Performance (as of 01-Nov-2012)

**Financial Agreement(s) Key Dates**

<table>
<thead>
<tr>
<th>Project</th>
<th>Ln/Cr/Tf</th>
<th>Status</th>
<th>Approval Date</th>
<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Original Closing Date</th>
<th>Revised Closing Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>P097818</td>
<td>TF-94928</td>
<td>Effective</td>
<td>08-Feb-2010</td>
<td>08-Feb-2010</td>
<td>09-Jun-2010</td>
<td>31-Jan-2014</td>
<td>31-Jan-2014</td>
</tr>
</tbody>
</table>
Project | Ln/Cr/Tf | Status | Approval Date | Signing Date | Effectiveness Date | Original Closing Date | Revised Closing Date
--- | --- | --- | --- | --- | --- | --- | ---
P097818 | TF-95444 | Closed | 08-Feb-2010 | 08-Feb-2010 | 09-Jun-2010 | 31-Dec-2010 | 30-Nov-2012

**Disbursements (in Millions)**

<table>
<thead>
<tr>
<th>Project</th>
<th>Ln/Cr/Tf</th>
<th>Status</th>
<th>Currency</th>
<th>Original</th>
<th>Revised</th>
<th>Cancelled</th>
<th>Disbursed</th>
<th>Undisbursed</th>
<th>% Disbursed</th>
</tr>
</thead>
</table>
P097818 | TF-94928 | Effective | USD | 4.50 | 4.50 | 0.00 | 1.04 | 3.46 | 23.00 |
P097818 | TF-95444 | Closed | USD | 3.80 | 3.80 | 0.00 | 2.39 | 1.41 | 63.00 |

**Disbursement Graph**

**Key Decisions Regarding Implementation**

The project still remains relevant as evidenced from the GoR’s sector objectives related to reducing the cost of electricity and introduction of cost reflective tariffs through use of cheaper energy sources, reduction of system losses and increase in energy efficiency; energy diversification and strengthening the governance framework and the institutional capacity to facilitate private sector participation in the sector. To advance these broad objectives, a new sector policy has been prepared and several laws which together define the emerging sector structure and institutional framework - including GoR’s policy to increase private sector investments and off-grid electricity distribution.

**Restructuring History**

Level two Approved on 31-Dec-2010

**Related Projects**

There are no related projects.